

IN THE SPECIFICATION

Please add the following on page 1 before the title;

TITLE OF THE INVENTION

Please amend the Title on page 1 as shown:

BOLOMETRIC DETECTOR WITH AN ANTENNA

Please amend the specification on page 1, line 1 as follows:

~~Technical field and prior art~~

BACKGROUND OF THE INVENTION

Field of the Invention

Please insert the following on page 1, after line 12:

Discussion of the Background

Please insert the following on page 3, after line 11:

SUMMARY OF THE INVENTION

Please amend the paragraph on page 7, lines 23-26, as follows:

In the case of signals to be detected within a frequency band, ~~side-1~~side L, preferably is equal to  $\lambda/2$ , wherein  $\lambda$  is set to the wavelength of the wave with a frequency equal to the central frequency of the band.

Please amend the paragraph on page 8, line 26 – page 9, line 1 as follows:

However, the invention also relates to the case when each detector itself forms a square for which ~~side 1~~side L has a length equal to the wavelength  $\lambda$ . As a result, the combination of four detectors such that of Fig. 3 forms a structure for which side L is substantially equal to  $2 \lambda$ .